



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: August 24, 2004

SUBJECT: WEB SPLITTING IN BULB TEE GIRDERS

To mitigate web splitting in modified bulb-tee (MBT) girders with draped strands, strands at the ends of all MBT's shall be debonded in accordance with the criteria described in Article 1078-12 of the Standard Specifications. The debonded strand pattern shall be detailed on the plans.

In addition, place the following note on all MBT girder plans:

The Contractor has the option to provide, at no additional cost to the department, 2 additional strands at the top of the girder to facilitate tying of the reinforcing steel. These strands shall be pulled to a load of 4500 lbs. (20 Kn).

This policy is effective immediately. Standard PCG11 (SM) has been revised to reflect this change, and is available on both the S: Drive and the Structure Design Homepage. The Design Manual will be revised at a later date.

GRP/DAS

cc: R. V. Keith, P. E.
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